

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P303722KJB	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/GB2004/001522	International filing date (day/month/year) 07/04/2004	(Earliest) Priority Date (day/month/year) 09/04/2003
Applicant UNIVERSITY OF WARWICK		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

OPTICAL CONCENTRATOR

5. With regard to the **abstract**,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 1



as suggested by the applicant.



as selected by this Authority, because the applicant failed to suggest a figure.



as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02B17/08 G02B27/28 H04B10/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	EP 0 851 613 A (TAIYO YUDEN KK) 1 July 1998 (1998-07-01) abstract column 2, line 28 - column 3, line 56 column 10, line 10 - column 11, line 14 column 26, line 10 - line 49 claims figures	1-12, 14, 18-22, 24, 26-40
A	----- -/--	13, 15-17, 23, 25

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

23 July 2004

Date of mailing of the international search report

04/08/2004

Name and mailing address of the ISA

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Seibert, J

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	WO 02/21734 A (RAMIREZ INIGUEZ ROBERTO ; GREEN ROGER (GB); UNIV WARWICK (GB)) 14 March 2002 (2002-03-14) cited in the application	1, 5, 6, 13-15, 17, 19, 21-28, 30, 31, 36, 37
A	abstract page 5, line 1 - line 8 page 5, line 25 - line 32 page 10, line 25 - page 11, line 2 claims figures	2-4, 7-12, 16, 18, 20, 29, 32-35, 38-40
X	----- NING X ET AL: "DIELECTRIC TOTALLY INTERNALLY REFLECTING CONCENTRATORS" APPLIED OPTICS, OPTICAL SOCIETY OF AMERICA, WASHINGTON, US, vol. 26, no. 2, 15 January 1987 (1987-01-15), pages 300-305, XP002012726 ISSN: 0003-6935 the whole document	1, 5-19
A	-----	2-4, 20-40

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/001522

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0851613	A	01-07-1998	JP	10190581 A	21-07-1998
			JP	9321704 A	12-12-1997
			EP	0851613 A2	01-07-1998
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WO 0221734	A	14-03-2002	EP	1316164 A1	04-06-2003
			WO	0221734 A1	14-03-2002
			JP	2004508733 T	18-03-2004
			US	2004094696 A1	20-05-2004
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